

## Attachment 8

### SUMMARY OF CHANGES TO TABLES NR 407, 438, AND 445

#### Introduction

The Department revised tables A, B, C, E in NR 445 and the tables in NR407 and NR 438 following submission of the draft rule revisions. Chemical names, CAS numbers, and footnotes were checked and modified as necessary to ensure consistency between tables. Several incorrect thresholds included in the draft rules were corrected in the revised rules. Due to modifications to public health risk assessment, the utilization of alternative regulatory structures and special studies, several chemicals listed in the draft rules have been removed from the tables in the revised rules. A few chemicals that were inadvertently left out of the draft rules have been listed in the revised rules. A list of the specific changes by table is available below.

The underlined chemical name is the name present in the Draft Rules. The description following the underlined draft rule chemical name describes the changes made to that chemical. Spelling errors, threshold changes, and listing and de-listing alterations are described in the lists below. Punctuation and other minor changes are not included in this list of modifications to the tables.

#### Changes to Draft NR 407 Table

1. Hydrazine and hydrazine sulfate - A star was added to the footnotes column to indicate multiple CAS numbers.
2. Pentyl Acetate (mixtures and isomers). - A star was added to the footnotes column to indicate multiple CAS numbers
3. Polychlorinated biphenyls (PCBs; Chlorodiphenyls; Arochlor). - A star was added to the footnotes column to indicate multiple CAS numbers
4. Terphenyls - A star was added to the footnotes column to indicate multiple CAS numbers
5. Trimethyl benzene (mixtures and isomers) - A star was added to the footnotes column to indicate multiple CAS numbers
6. Antimony & compounds, as Sb - Changed & to and
7. Cobalt, elemental, and inorganic compounds, as Co - was changed to compounds, an n was added
8. Glasswool, respirable size – entry was deleted
9. Ceramic Fibers (respirable size) – The word Refractory was added in front of Ceramic Fibers
10. Coal dust, anthracite (respirable) – entry was deleted
11. Coal dust, bituminous (respirable) -- entry was deleted
12. Diesel exhaust particulates -- entry was deleted

#### Changes to Draft NR 438 Table

1. Ceramic Fibers (respirable size) - A 2 was added to the footnotes column to indicate multiple CAS numbers.
2. Cobalt, elemental, and inorganic compounds, as Co - was changed to Cobalt, elemental, and inorganic compounds, as Co. An n was added to compounds to correct the spelling error to compounds.
3. Cobalt, elemental, and inorganic compounds, as Co - A 2 was added to the footnotes column to indicate multiple CAS numbers
4. Copper and compounds, fume, as Cu. - A 2 was added to the footnotes column to indicate multiple CAS numbers

5. Copper and compounds, dusts and mists, as Cu. -- A 2 was added to the footnotes column to indicate multiple CAS numbers
6. Dibenzofurans. - A 2 was added to the footnotes column to indicate multiple CAS numbers
7. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (Dioxin; 2,3,7,8-TCDD), as dioxin equivalents - A 2 was added to the footnotes column to indicate multiple CAS numbers
8. C.I. Basic Red 9 monohydrochloride – The draft threshold was changed from 11.4 to 12.5 in the revised greensheet.
9. 1,2-Dibromo-3-chloropropane (DBCP) – The draft threshold was changed from .442 to .4675 in the revised greensheet.
10. Persulfates (Ammonium, Potassium, Sodium) - A 2 was added to the footnotes column to indicate multiple CAS numbers
11. Yttrium metal and compounds, as Y. - A 2 was added to the footnotes column to indicate multiple CAS numbers.
12. 1,2-Dibromomethane (Ethylene Dibromide; EDB) - was misspelled. It should read 1,2-Dibromoethane (Ethylene Dibromide; EDB)
13. Terphenyls. - A 2 was added to the footnotes column to indicate multiple CAS numbers.
14. 1,1-Dichloroethane (Ethylidene dichloride) – The chemical was misspelled. Ethylidene was changed to ethyldene.
15. Strong inorganic acid mists containing sulfuric acid (>35% by weight) - was not listed in 438 and should have been. This chemical has been added, including name, CAS, and threshold
16. Polycyclic organic matter (POM) – was not originally listed in 438, but must be due to its qualification as a federal hazardous air pollutant. The chemical has been added, including name, threshold, and a footnote that was included in the federal clean air act.
17. Glasswool, respirable size – entry was deleted
18. Ceramic Fibers (respirable size) – The word Refractory was added in front of Ceramic Fibers
19. Coal dust, anthracite (respirable) – entry was deleted
20. Coal dust, bituminous (respirable) -- entry was deleted
21. Diesel exhaust particulates -- entry was deleted

### **Changes to Draft NR 445 Table A**

1. The Arsenic 25-40 ft. threshold is wrong. Draft Table A Value: 10. Revised Value: 1.7
2. The N-Nitrosopiperidine 25-40 ft threshold is wrong. Draft Table A Value: 10. Revised Value: 2.7.
3. The N-Nitrosopyrrolidine 25-40 ft. threshold is wrong. Draft Table A Value: 10. Revised Value: 12.
4. For Tetrafluoroethylene, only one chemical entry exists in the Draft Table. This is incorrect. The draft table lists only the 24-hour standard, and excludes the annual standard. The omitted standard is included in the revised Table A.
5. 2-Ethoxyethanol (Ethylene glycol monoethyl ether; EGEE; Cellosolve) - misspelled glycol, corrected it in Table A.
6. Silica-Amorphous: Diatomaceous earth (uncalcined) (respirable size) – entry was deleted
7. Silica-Amorphous: precipitated silica– entry was deleted
8. Silica-Amorphous: silica gel– entry was deleted
9. Silica-Amorphous: silica, fume (respirable size) – entry was deleted
10. Silica-Amorphous: silica, fused (respirable size) – entry was deleted
11. Silica-Crystalline: Cristobalite (respirable size) – entry was deleted
12. Silica-Crystalline: Quartz (respirable size) – entry was deleted
13. Silica-Crystalline: Tridymite (respirable size) – entry was deleted
14. Silica-Crystalline: Tripoli, as contained respirable quartz (respirable size) – entry was deleted
15. Wood dust (certain hardwoods such as beech and oak) – entry was deleted

16. Wood dust (soft wood) – entry was deleted
17. Glasswool, respirable size – entry was deleted
18. Ceramic Fibers (respirable size) – The word Refractory was added in front of Ceramic Fibers
19. Coal dust, anthracite (respirable) – entry was deleted
20. Coal dust, bituminous (respirable) – entry was deleted
21. Diesel exhaust particulates -- entry was deleted
22. Arsine – Two cells in the draft table were accidentally rounded up. The 25-40 ft. and the 40-75 ft. stack threshold cells now read 36.5 and 86.9 in the revised tables versus 37 and 87 in the draft table.
23. Beryllium and beryllium compounds, as Be – Two cells in the draft table were accidentally rounded. The 25-40 ft. and the 40-75 ft. stack cells now read 14.6 and 34.8 in the revised tables versus 15 and 35 in the draft tables.
24. 2,4-/2,6-Toluene diisocyanate (mixtures and isomers) (TDI) – The 25-40 ft. stack was rounded up in the draft table. This error was corrected and the cell now reads 51.1 in the revised table versus 51 in the draft table.

#### **Changes to Draft NR 445 Table B**

1. Amitrole – The 25-40 ft. threshold is incorrect. Original Table A Value: 10. Corrected value: 27.

#### **Changes to Draft NR 445 Table C**

- No substantial changes

#### **Changes to Draft NR 445 Table E**

1. Methyl isocyanate – CAS # was changed from 624-84-9 to 624-83-9
2. Dichloromethane (Methylene chloride) – CAS # was changed from 74-09-2 to 75-09-2
3. Lead Compounds - was changed to 2 entries, Lead Acetate, as Pb, and Lead Phosphate, as Pb
4. Mercury, All forms - was changed to 3 entries Mercury, as Hg, alkyl compounds Mercury, as Hg, aryl compounds, and Mercury, as Hg, inorganic forms including metallic mercury
5. Chromium (VI): Chromic acid mists and dissolved Cr (VI) aerosols, as Cr – entry was added.
6. Chromium (VI): compounds and particulates – entry was added
7. Nitric acid – entry was added